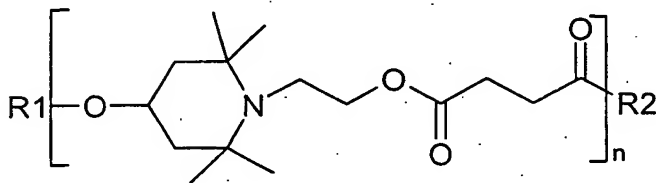


We claim:-

1. A thermoplastic polyurethane comprising sterically hindered, esterified amine (I) which contains less than 100 ppm, based on the weight of (I), of titanium, wherein the following compound is present as (I) in the polyurethane:

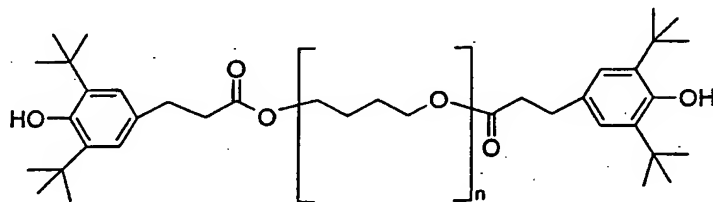


where

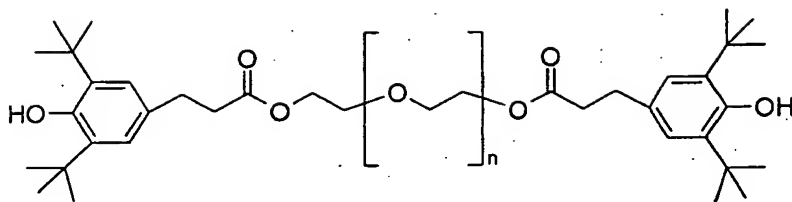
- n is an integer from 1 to 100,

R1 is a hydrogen atom or straight-chain, branched or cyclic alkyl of 1 to 12 carbon atoms, and

R2 is a hydrogen atom or straight-chain, branched or cyclic alkyl of 1 to 12 carbon atoms or is R1 or O-R1 or N(R1)₂ and wherein the thermoplastic polyurethane has a total content of less than 100 ppm, based on the weight of (1), of titanium.
2. The thermoplastic polyurethane according to claim 1, wherein the sterically hindered, esterified amine is present in the thermoplastic polyurethane in a concentration of from 0.1 to 5% by weight, based on the total weight of the thermoplastic polyurethane.
3. The thermoplastic polyurethane according to claim 1, wherein the plastic comprises a phenolic stabilizer (II).
4. The thermoplastic polyurethane according to claim 3, wherein the plastic comprises, as the phenolic stabilizer (II), at least one of the following compounds:



and/or



in each case having the following meanings for n: 1-30.

5. The thermoplastic polyurethane according to claim 3, wherein the phenolic stabilizer (II) is present in the polyurethane in a concentration of from 0.1 to 5% by weight, based on the total weight of the polyurethane.
6. The thermoplastic polyurethane according to claim 1 or 3, wherein the polyurethane comprises benzotriazole (III).
7. The thermoplastic polyurethane according to claim 6, wherein the plastic comprises, as (III), at least one compound from the following group: Tinuvin® P (CAS Reg. No. 2440-22-4), Tinuvin® 329 (CAS Reg. No. 3147-75-9), Tinuvin® 326 (CAS Reg. No. 3896-11-5), Tinuvin® 320 (CAS Reg. No. 3846-71-7), Tinuvin® 571 (CAS Reg. No. 23328-53-2), Tinuvin® 328 (CAS Reg. No. 25973-55-1), Tinuvin® 350 (CAS Reg. No. 36437-37-3), Tinuvin® 327 (CAS Reg. No. 3864-99-1), Tinuvin® 234 (CAS Reg. No. 70321-86-7), Tinuvin® 360 (CAS Reg. No. 103597-45-1), Tinuvin® 840 (CAS Reg. No. 84268-08-6), C7-9 branched and linear alkyl ester of 4-hydroxy-3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)phenylpropanoic acid (CAS No. 127519-17-9), Tinuvin® 384, Tinuvin® 213 (mixture of 3 substances with CAS No. 104810-48-2, 10481047, 1/25322-68-3).
8. The thermoplastic polyurethane according to claim 6, wherein the benzotriazole (III) is present in the plastic in a concentration of from 0.01 to 2% by weight, based on the total weight of the plastic.
9. A process for the preparation of polyurethanes comprising sterically hindered, esterified amine (I), wherein a sterically hindered esterified amine (I) containing less than 100 ppm, based on the weight of (I), of titanium is added to the polyurethane during or after the preparation.
10. A film, shoe sole, roller, fiber, cladding in automobiles, wiper blade, hose, cable plug, bellows, trailing cable, cable sheath, seal, belt or damping element based on a thermoplastic polyurethane comprising sterically hindered, esterified amine (I) which contains less than 100 ppm, based on the weight of (I), of titanium, the thermoplastic polyurethane having a total content of less than 100 ppm, based on the weight of (I), of titanium.